



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D5609-1

Job Sheet 192490



Part No: D5609-1

Job Qty: 1 pcs

Part Name: EC130 Fwd Crosstube



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 3/26/19

Job Tracking No:

Due Date: 4/29/19

Created By: Steven Hemmerich

Type: Stock

Description:

Note: TBD D5609 REV.A IPP REV:A 18.06.20 NEW ISSUE DD VERF:JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard Setup Hrs	Run Hrs	Workcenter/Supplier	Sign-off
100	Handfinish - 1 - Chemical	1 pcs	4/29/19	0.00	0.17		Handfinish - 1 - 1	DEB 19-03-28
							Handfinish - 1 - 2	
							Handfinish - 1 - 3	
							Handfinish - 1 - 4	
							Handfinish - 1 - 5	
							Handfinish - 1 - 6	
							Handfinish - 1 - 7	
							Handfinish - 1 - 8	
							Handfinish - 1 - 9	
							Handfinish - 1 - 10	
							Handfinish - 1 - 11	
							Handfinish - 1 - 12	
							Handfinish - 1 - 13	
							Handfinish - 1 - 14	
							Handfinish - 1 - 15	
							Handfinish - 1 - 16	
							Handfinish - 1 - 17	
							Handfinish - 1 - 18	
							Handfinish - 1 - 19	
							Handfinish - 1 - 20	
							Handfinish - 1 - 21	
							Handfinish - 1 - 22	
105	QC 5	1 pcs	4/29/19	0.00	0.00		QC 5 - 10	
							QC 5 - 12	
							QC 5 - 17	
							QC 5 - 18	
							QC 5 - 19	
							QC 5 - 22	
							QC 5 - 24	
							QC 5 - 3	
							QC 5 - 43	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S167557



Part: D5609-1

Job No: 192490

Serial No/Batch: S167557

Revision: A

Inspector:

Exp Date:

Instructions:

Date: 08/18/19

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3/26/2019

[Dart Hawkesbury] Job Sheet - Hemmerich, Steven

					QC 5 - 49	
					QC 5 - 51	
					QC 5 - 58	
					QC 5 - 68	
					QC 5 - 9	19-03-31
					QC 5 - 50	
					QC 5 - 30	
					QC 5 - 40	
110 Outsource - 23 - Tube Bending 1 pcs	4/29/19				PAR005-VU	3.6.19
120 Packaging 2-1 - Receive - B4B 1 pcs	4/29/19	0.00 0.00			Packaging 2 - 1 - B4B	
					Packaging 2 - 2 - B4B	
					Packaging 2 - 3 - B4B	
					Packaging 2 - 5 - B4B	
					Packaging 2 - 4 - B4B	
					Packaging 2 - 6 - B4B	
					Packaging 2 - 7 - B4B	
					Packaging 2 - 8 - B4B	
					Packaging 2 - 9 - B4B	
					Packaging 2 - 10 - B4B	
					Packaging 2 - 11 - B4B	
					Packaging 2 - 12 - B4B	
					Packaging 2 - 13 - B4B	
					Packaging 2 - 14 - B4B	
					Packaging 2 - 15 - B4B	
					Packaging 2 - 16 - B4B	
					Packaging 2 - 17 - B4B	
					Packaging 2 - 18 - B4B	
					Packaging 2 - 19 - B4B	
					Packaging 2 - 20 - B4B	
					Packaging 2 - 21 - B4B	
					Packaging 2 - 22 - B4B	
					Packaging 2 - 23 - B4B	
					Packaging 2 - 24 - B4B	
					Packaging 2 - 25 - B4B	
					Packaging 2 - 26 - B4B	
					Packaging 2 - 27 - B4B	
					Packaging 2 - 28 - B4B	
					Packaging 2 - 29 - B4B	
					Packaging 2 - 30 - B4B	
					Packaging 2 - 31 - B4B	
					Packaging 2 - 32 - B4B	
					Packaging 2 - 33 - B4B	
					Packaging 2 - 34 - B4B	
					Packaging 2 - 35 - B4B	
					Packaging 2 - 36 - B4B	
130 QC 6 1 pcs	4/29/19	0.00 0.00			QC 6 - 9	
					QC 6 - 68	
					QC 6 - 61	
140 Packaging 3-1 - Stock - B4B 1 pcs	4/29/19	0.00 0.00			Packaging 3 - 1 - B4B	
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	
					Packaging 3 - 5 - B4B	
					Packaging 3 - 6 - B4B	
					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	

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				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	BS 9/3/2019
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
150 QC 21 - FG	1 pcs	4/29/19	0.00 0.00	QC 21 - FG - 21	DMS
				QC 21 - FG - 70	21 SEP 03 2019
				QC 21 - SA - 53	3.50

Part Op 100 - (Chemical Conversion Coat per QSI005 4.1), Alodine prior to sending the extrusion to an outside vendor.
 Descriptions: 105 - ***IDENTIFY SERIAL # BY USING A MARKER IN THE MIDDLE OF TUBE AT CONTAINER CREATION***
 INSPECT ALODINE AND MAKE SURE TUBE IS IDENTIFY WITH MARKER IN THE MIDDLE OF THE TUBE
 110 - Issue P/O: 42043 Manufacture D5609-1 as per dwg (Bend, Remove excess material after bending)
 Ship extrusion D6029-120 ***INSPECTION REPORT REQUIRED FOR EACH TUBE. MUST BE TRACEABLE TO INDIVIDUAL SERIAL NUMBER*** **AS PER DWG NOTE 9, EXTREME CARE MUST BE TAKEN TO PROTECT THE OUTSIDE SURFACE OF THE TUBE. THE OUTSIDE SURFACE MUST BE SMOOTH AND FREE FROM SURFACE DEFECTS SUCH AS SCRATCHES, NICKS, OR DENTS.*** Material release note is required
 120 - (Receive & Inspect for Damage & Mat'l Certs), Ensure material release note is attached *****CHECK ID OF CUFF USING DT10434 GO PLUG GAUGE AS PER NOTE 11*****
 130 - (QC6- All purchased or subcontracted products), *****CHECK ID OF CUFF USING DT10434 GO PLUG GAUGE AS PER NOTE 11*****
 140 - (Identify as per dwg & Stock Location: _____)
 150 - (QC21- Final Inspection - Work Order Release)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
D6029-120	Tube, Seamless	1 pcs (1 ea)	100-Handfinish - 1 - Chemical	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Handfinish - 1 - Chemical	D6029-120	1	22	0

Part Specifications

Specifications could not be found.

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Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO043043



Supplier: PAR005-VU
Parker Fabrication Inc
501 East Courtland
Morton, IL 61550-9043 USA
Phone: 309-266-8413
Fax: 309-266-7231

PO No: PO043043
PO Date: 4/1/19
Due Date: 5/16/19

Purchase Order
Revision:

Revision Date:

Ship-To Contact: Phone:

Revision

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Journey Freight

Pynt Terms: Net 30

Freight Terms: Prepaid

Special Comments: Ensure that parts are serialized in such a way as to easily match tube to its corresponding paper work.

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	192508	D5609-1	EC130 Fwd Crosstube Issue P/O: Manufacture D5609-1 as per dwg (Bend, Remove excess material after bending) **Ship extrusion D6029-120** ***INSPECTION REPORT REQUIRED FOR EACH TUBE. MUST BE TRACEABLE TO INDIVIDUAL SERIAL NUMBER**** ***AS PER DWG NOTE 9, EXTREME CARE MUST BE TAKEN TO PROTECT THE OUTSIDE SURFACE OF THE TUBE. THE OUTSIDE SURFACE MUST BE SMOOTH AND FREE FROM SURFACE DEFECTS SUCH AS SCRATCHES, NICKS, OR DENTS.*** Material release note is required	Firmed	-	5/16/19	1 pcs	0 pcs	1 pcs	\$269.42/pcs	\$269.42

1X JUN 18 2019



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Hawkesbury, ON
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PURCHASE ORDER

PO043043



Items											
Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
Line Item Note FWD X-TUBE 13 each at your location. Ensure that parts are serialized in such a way as to easily match tube to its corresponding paper work.											
	192507	1X	JUN 18 2019	Firmed		5/16/19	1 pcs	0 pcs	1 pcs	\$269.42/pcs	\$269.42
	192506	1X	JUN 18 2019	Firmed		5/16/19	1 pcs	0 pcs	1 pcs	\$269.42/pcs	\$269.42
	192505	1X	JUN 18 2019	Firmed		5/16/19	1 pcs	0 pcs	1 pcs	\$269.42/pcs	\$269.42
	192504	1X	JUN 18 2019	Firmed		5/16/19	1 pcs	0 pcs	1 pcs	\$269.42/pcs	\$269.42
	192502	1X	JUN 18 2019	Firmed		5/16/19	1 pcs	0 pcs	1 pcs	\$269.42/pcs	\$269.42
	192499	1X	JUN 18 2019	Firmed		5/16/19	1 pcs	0 pcs	1 pcs	\$269.42/pcs	\$269.42
	192492	1X	JUN 18 2019	Firmed		5/16/19	1 pcs	0 pcs	1 pcs	\$269.42/pcs	\$269.42
	192491	1X	JUN 18 2019	Firmed		5/16/19	1 pcs	0 pcs	1 pcs	\$269.42/pcs	\$269.42
	192490	1X	JUN 18 2019	Firmed		5/16/19	1 pcs	0 pcs	1 pcs	\$269.42/pcs	\$269.42
	192489	1X	JUN 18 2019	Firmed		5/16/19	1 pcs	0 pcs	1 pcs	\$269.42/pcs	\$269.42
	192488	1X	JUN 18 2019	Firmed		5/16/19	1 pcs	0 pcs	1 pcs	\$269.42/pcs	\$269.42
	192486	1X	JUN 18 2019	Firmed		5/16/19	1 pcs	0 pcs	1 pcs	\$269.42/pcs	\$269.42
Sub Total:							13	0	13		\$3,502.46

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PURCHASE ORDER

PO043043



Items											
Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
2	192510	D5611-1	EC130 Skidtube Issue P/O: Manufacture D5611-1 as per dwg (Bend,Swag, Remove excess material after bending) **Ship extrusion D6031-120** ***INSPECTION REPORT REQUIRED FOR EACH TUBE. MUST BE TRACEABLE TO INDIVIDUAL SERIAL NUMBER**** ***AS PER DWG NOTE 8, EXTREME CARE MUST BE TAKEN TO PROTECT THE OUTSIDE SURFACE OF THE TUBE. THE OUTSIDE SURFACE MUST BE SMOOTH AND FREE FROM SURFACE DEFECTS SUCH AS SCRATCHES, NICKS, OR DENTS.*** Material release note is required	Firmed	-	5/16/19	1 pcs	0 pcs	1 pcs	\$306.69/pcs	\$306.69
1 X JUN 18 2019											
Line Item Note SKID TUBE 7 each at your location, 7 in this shipment. Ensure that parts are serialized in such a way as to easily match tube to its corresponding paper work.											
192525	1 X	JUN 18 2019	Firmed	-	5/16/19	1 pcs	0 pcs	1 pcs	\$306.69/pcs	\$306.69	
192526	1 X	JUN 18 2019	Firmed	-	5/16/19	1 pcs	0 pcs	1 pcs	\$306.69/pcs	\$306.69	
192527	1 X	JUN 18 2019	Firmed	-	5/16/19	1 pcs	0 pcs	1 pcs	\$306.69/pcs	\$306.69	
192528	1 X	JUN 18 2019	Firmed	-	5/16/19	1 pcs	0 pcs	1 pcs	\$306.69/pcs	\$306.69	
192529	1 X	JUN 18 2019	Firmed	-	5/16/19	1 pcs	0 pcs	1 pcs	\$306.69/pcs	\$306.69	
192530	1 X	JUN 18 2019	Firmed	-	5/16/19	1 pcs	0 pcs	1 pcs	\$306.69/pcs	\$306.69	
192535	1 X	JUN 18 2019	Firmed	-	5/16/19	1 pcs	0 pcs	1 pcs	\$306.69/pcs	\$306.69	
192536	1 X	JUN 18 2019	Firmed	-	5/16/19	1 pcs	0 pcs	1 pcs	\$306.69/pcs	\$306.69	
192531	1 X	JUN 18 2019	Firmed	-	5/16/19	1 pcs	0 pcs	1 pcs	\$306.69/pcs	\$306.69	
192532	1 X	JUN 18 2019	Firmed	-	5/16/19	1 pcs	0 pcs	1 pcs	\$306.69/pcs	\$306.69	
192533	1 X	JUN 18 2019	Firmed	-	5/16/19	1 pcs	0 pcs	1 pcs	\$306.69/pcs	\$306.69	
192534	1 X	JUN 18 2019	Firmed	-	5/16/19	1 pcs	0 pcs	1 pcs	\$306.69/pcs	\$306.69	



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PURCHASE ORDER

PO043043



Items										
Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)
	192537		JUN 18 2019	Filled		5/16/19	1 pcs	0 pcs	1 pcs	\$306.69/pcs
Sub Total:							14	0	14	\$4,293.66

Grand Total: \$7,796.12

Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 6/3/19 12:27 PM dart.Lussier.Patrick



Parker Fabrication, Inc.
501 East Courtland
Morton, IL 61550-9043

Ph: 309.266.8413

Fax: 309.266.7231

1 of 3
Pack List

Number: **123373**

Date: 10-Jun-19

To

Dart Aerospace
1270 Aberdeen St
Hawkesbury, ON K6A 1K7
Canada

Ship To

Steven Hemmerich
Dart Aerospace
1270 Aberdeen St
Hawkesbury, ON K6A 1K7
Canada

Ph: 1 613 632-5200

Ph: 1 613 632-5200

Terms		Ship Via	
Net 30		Freight Collect	
Quantity	Description		
✓ 13 ea	Part: D5609-1 ✓ EC130 Fwd Crosstube	Rev: A	
	SO: 70913	PO: PO043043 ✓	Line: 001
14 ea	Part: D5611-1 EC130 Skidtube	Rev: A	
	SO: 70913	PO: PO043043	Line: 002
Thank you for your business!			
RECEIVED JUN 14 2019 DART AEROSPACE LTD.			



Certificate of Conformance (CoC)

Form F-4003
Page 1 of 1
Last Revised:
3/09/2018

Supplier Name: Parker Fabrication
Supplier Number: _____
Part Description: FWD X-TUBE (EC130)

Part Number: D5609 ✓
Drawing Number: D5609

Revision: A

Purchase Order #: PO043043 ✓
Quantity: 13 ✓

Serial Number(s): _____ (if applicable)
Lot/Heat Number: _____ (if applicable)

All technical requirements of the contract are satisfied. Quality and performance are in accordance with the contract, the specifications, and all references and associated contractual drawings and documents.

I, as a supplier to Dart Aerospace, acknowledge and certify the material covered under this document is produced in accordance with the following:

- ☒ All Contractual "Flow Down" Requirements
- ☒ Supplier Standards Guide
- ☒ Global Supplier Quality Manual
- ☒ Product Conformance
- ☒ Free of Counterfeit Material

(Acknowledge by marking the boxes)


Signature

Quality Manager
Title

5/31/2019
Completion Date

This certifies the parts/items/materials identified above conform to all applicable drawings and/or specifications as evidenced by reports or other documentation on file and all other purchase order and quality requirements have been met.

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Production Part Approval Dimensional Test Results

[illegible]

Production Part Approval Dimensional Test Results

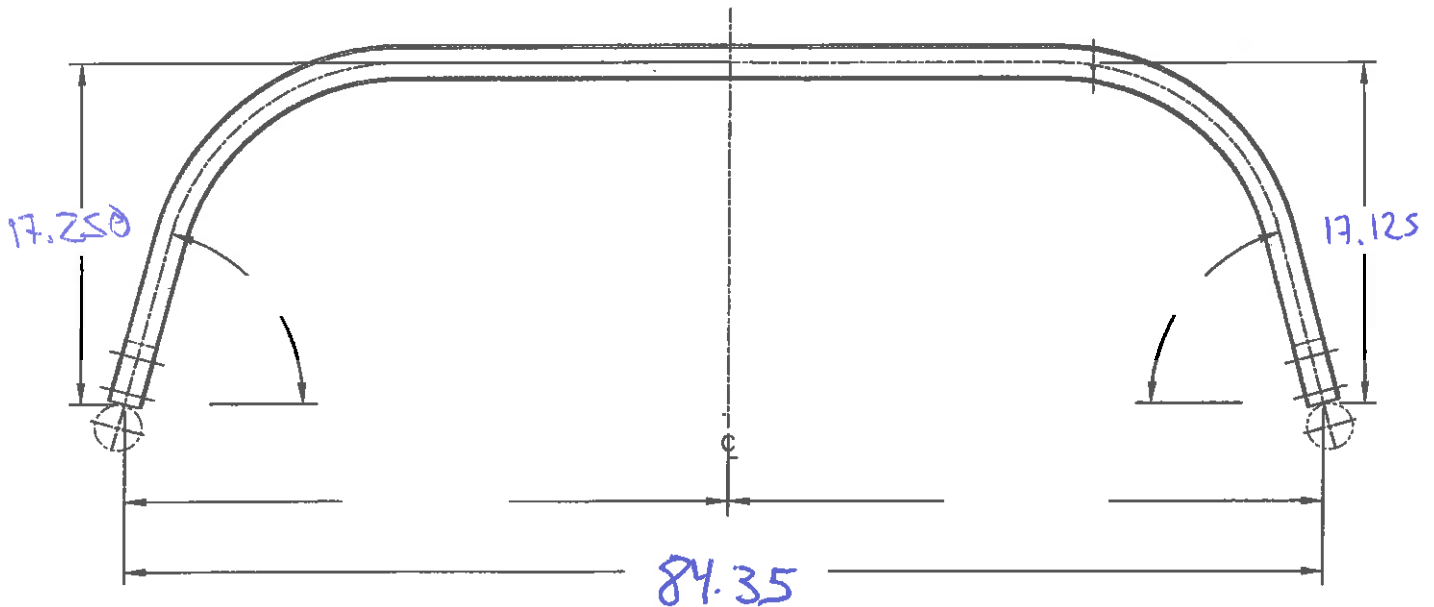
[illegible]

Production Part Approval Dimensional Test Results

[illegible]

DART AEROSPACE LTD		Work Order: 192490
Description:		Part Number:
Inspection Dwg:	Rev:	Page 1 of 1

Required Dimension	Min	Max
Height		
1/2 Span		
Angle		
Total Span		
Bending Passes		
Crushing		



	Side A	Side B
Bending Passes		
Crushing		
Comments		

QC15 Inspection	
Date	

Rev	Date	Change	Revised by	Approved
A		New Issue		
B	06.09.19	Reformat; QC level revised	KJ/JM	
C	07.02.06	Reformat	KJ/JM	
D	12.02.15	Added bending passes and crushing	KJ	
E	12.03.07	Revised comments table	KJ	